

PTO/SB/08A (08-03)

Approved for use through 07/31/2005. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10776421
Filing Date	February 10, 2004
First Named Inventor	Dingrong Yi
Art Unit	
Examiner Name	
Attorney Docket Number	04-SU01

Sheet 1 of 3

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/LS/		US- 5,335,557	08-09-1994	Yasutake	
		US- 5,576,727	11-19-1996	Rosenberg et al.	
		US- 6,115,028	09-05-2000	Balakrishnan et al.	
		US- 5,923,318	07-13-1999	Zhai et al.	
		US- 6,101,893	08-15-2000	Wergen	
		US- 5,805,137	09-08-1998	Yasutake	
		US- 5,729,249	03-17-1998	Yasutake	
		US- 6,593,907 B1	07-15-2003	Demers et al.	
		US- 5,792,135	08-11-1998	Madhani et al.	
		US- 6,394,998 B1	05-28-2002	Wallace et al.	
/LS/		US- 6,441,577 B2	08-27-2002	Blumenkranz et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

/Leonid Shapiro/

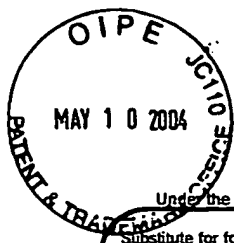
Date  
Considered

01/14/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/088 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10776421
Filing Date	February 10, 2004
First Named Inventor	Dingrong Yi
Art Unit	
Examiner Name	
Attorney Docket Number	04-SU01

Sheet 2 of 3

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/LS/	1	ACKERMAN et al., SMRM Abstr. 1986, p. 1131	
	2	BORNERT et al., In-Plane Position Tracking of Medical Instruments during MRI, SMRM Abstr. 1997, p. 1925	
	3	CLINE et al., Focused US System for MR Imaging, Radiology 194: 731-737, (1995)	
	4	COUTTS et al., Integrated and Interactive Position Tracking and Imaging of Interventional Tools and Internal Devices..., Magnetic Resonance in Medicine 198, 40:908-13.	
	5	DANIEL et al., Comparison of Optical and MR-Tracking..., SMM Abstr. 1997, p. 1928	
	6	DEBBINS et al., Cardiac Magnetic Resonance Fluoroscopy, Magnetic Resonance in Medicine 36:588-595, 1996	
	7	DUMOULIN et al., Real-Time Position Monitoring of Invasive Devices..., Magnetic Resonance in Medicine 1993, 29: 411-415	
	8	HARDY et al., Interactive Coronary MRI, Magnetic Resonance in Medicine 40:105-111, (1998)	
	9	KERR et al., Real-Time Interactive MRI on a Conventional Scanner, Magnetic Resonance in Medicine 38:355-367, (1997)	
/LS/	10	PARSONS, Inability to Reason About an Object's Orientation Using an Axis..., Journal of Experimental Psychology: Human Perception and Performance 21:1259-1277 (1995)	

Examiner  
Signature

/Leonid Shapiro/

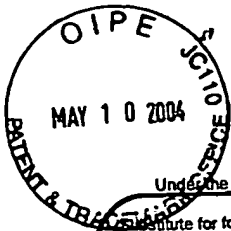
Date  
Considered

01/14/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including the gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 3

**Complete if Known**

Application Number	10 776 421
Filing Date	February 10, 2004
First Named Inventor	Dingrong Yi
Art Unit	
Examiner Name	
Attorney Docket Number	04-SU01

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/LS/	11	TPL ROBERTS et al., Remote Control of Catheter Tip Deflection..., Magnetic Resonance in Medicine, Vol. 48, No. 6, Dec. 2002, p. 1091, Vol. 48, No. 6,	
/LS/	12	SUSIL et al., Multifunctional Interventional Devices for MRI..., Magnetic Resonance in Medicine 47:594-600, (2002)	1
/LS/	13	WARE, The Visual Computer, pp 245-253, Vol. 6, (1990)	1
/LS/	14	ZHAI, Interaction in 3D Graphics, Computer Graphics 32:50-54 (1998)	
/LS/	15	ZHAI, Human Performance in Six Degrees of Freedom Input Control, Ph.D. Thesis, University of Toronto, (1995)	

Examiner Signature	/Leonid Shapiro/	Date Considered	01/14/2008
-----------------------	------------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.89. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including the gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.